Module 1 Cheat Sheet: Python Basics

Package/Method	Description	Code Example
Comments	Comments are lines of ext that are ignored by the Python interpreter when executing the codes'-tds'-	# This is a comment
		Syntax:
		concatenated_string = string1 + string2
Concatenation	Combines (concatenates) strings.	Example:
		result = "Hello" + " John"
		Example:
		Example:
		a Integer Value
Data Types	- Integer - Float - Boolean - String	# Flat Value
Data Types	- mager - rout - nontain - nontain	is_valid = True # Boolean Value
		15_valie = yalue # Boolean Value
		#2 Stategor Value pril. A Stategor Value pril. A State Value # Pinter Value # Robot Value #
		Example:
Indexing	Accesses character at a specific index.	my_strings^"mello" char = my_string[0]
		Syntax
		len(string_name)
len()	Returns the length of a string.	Example:
		ey_strings"millo" langth -landey_string)
l		Example:
lower()	Converts string to lowerence.	my_strings'%millo" uppricase_text = my_string.lower()
		Example:
print()	Prints the message or variable inside '()'.	<pre>print("%ello, world") print(a-b)</pre>
	- Addition (v) Addition values appelled - Schlargesing (-) Mathematical Value and the Company of the Company o	Example:
	- Subtraction (-) Subtracts one value from mother. Multiplication and product of the subtraction of the subt	x = 3 y = 4 really_date x + y = Addition really_date x - y = Sobrection really_date x - y = Really_date really_date x - y = Sobrection really_date x -
Python Operators	- Mathelianter Y Mathelie von voluce. - Division (C) Division certain se faut.	result_sub= x - y # Subtraction result_sub= x - y # Multiplication
	- Floor Division (I): Divides one value by another, returns the quotient as an integer. - Modals (V): Returns the remainder after division.	result_div= x / y # Division result_div= x / y # Floor Division
		result_mod= x X y # Robulo(/td)
		Example:
replace()	Replaces substrings.	<pre>my_string="hello" nw.text = my_string.replace("hello", "hi")</pre>
		nww_coxt = sy_xtring.replace(malio , nt)
		Syntax:
		substring = string_name(start:end]
Slicing	Extracts a portion of the string.	Example:
		sy_string="Nello" substring = sy_string[0:5]
split()	Spilts aring into a list based on a delimiter.	Example:
spin()	Spirits stating into a non-tractive in a necessary on a necessary of the spirits stating into a necessary of the spirits stating in the	<pre>my_string="Nello" split_text = my_string.split(",")</pre>
		Example:
strip()	Removes kading/trailing whitespace.	
maga)	полоти вышеривания полочнос	<pre>my_string="Nello" trimmed = my_string.strip()</pre>
		Example:
upper()	Converts string to uppercase.	
albert)	Salatan and to upparam.	<pre>my_string='Mello" uppercase_text = my_string.upper()</pre>
		Syntax
		Syntax: variable_name = value
Variable Assignment	Assigns a value to a variable.	Example:
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		name="John" # assigning John to variable name x = 5 # assigning 5 to variable x



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